

Practice

For use with pages 90–95

Solve the equation. Check your solution.

1. $z + 16 = 4$

2. $0 = m + 17$

3. $-3 = j + 5$

4. $h + 13 = 21$

5. $9 + g = -20$

6. $-7 + d = -26$

7. $a - 20 = -3$

8. $w - 18 = 7$

9. $t - 19 = 23$

10. $-9 = k - 11$

11. $-15 = n - 22$

12. $27 = x - 14$

13. $-8 + b = -5$

14. $t - 24 = 12$

15. $-28 + p = -3$

In Exercises 16–18, write an equation to model the situation. Then solve the equation.**16.** Your friend is 3 years older than you. You are 15 years old. How old is your friend?**17.** You pay \$1.70 for a box of oatmeal after using a coupon for \$.80 off. Find the regular price of the oatmeal.**18.** There are 160 players in a soccer league. This is 23 more than last year. Find the number of players that were in the soccer league last year.

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Solve the equation. Check your solution.

19. $10 + k + 6 = 22$

20. $-8 - n + 14 = 6$

21. $-9 = -15 + b - 3$

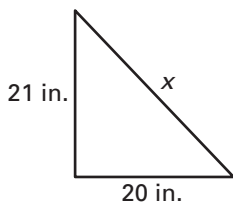
22. $y - 6 - 10 = 0$

23. $-5 - 11 - h = -7$

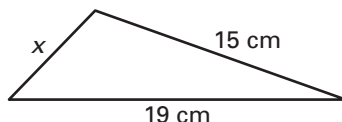
24. $18 + w - 13 = -20$

Find the value of x for the given triangle.

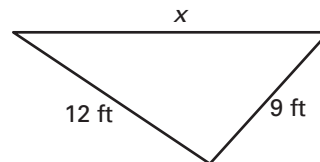
25. Perimeter = 70 in.



26. Perimeter = 41 cm



27. Perimeter = 37 ft



- 28.** A town has its water tower filled to its capacity, 300,000 gallons. After 30 days the tower has 180,000 gallons. The tower runs out of water 44 days after that.

a. Find the change in water capacity of the water tower after the first 30 days.

b. Find the number of days it took the tower to use the 300,000 gallons of water.